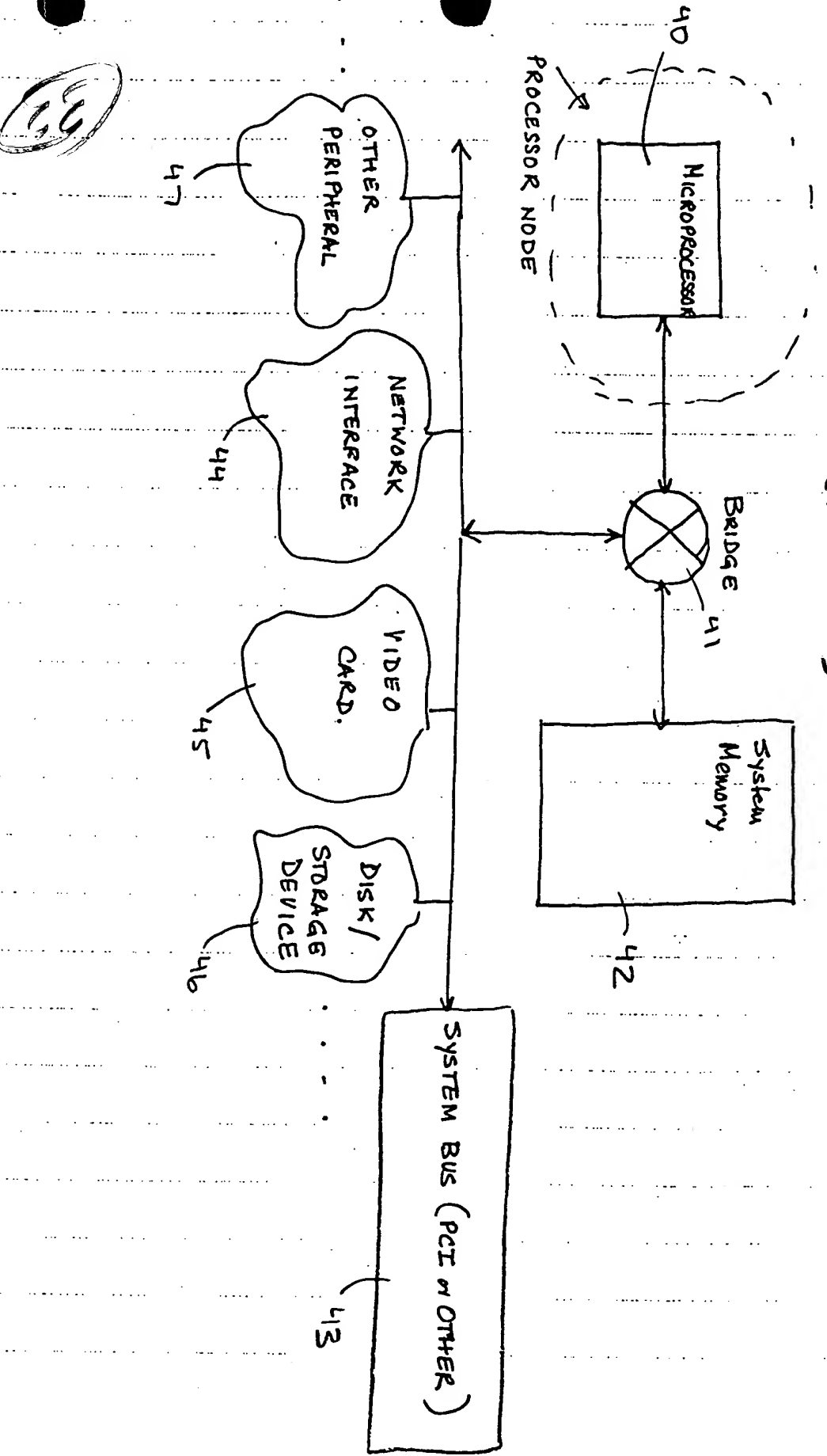


FIG. 1.
(PRIOR ART)



08965760 .1.10797

Best Available Copy

FIG. 2.

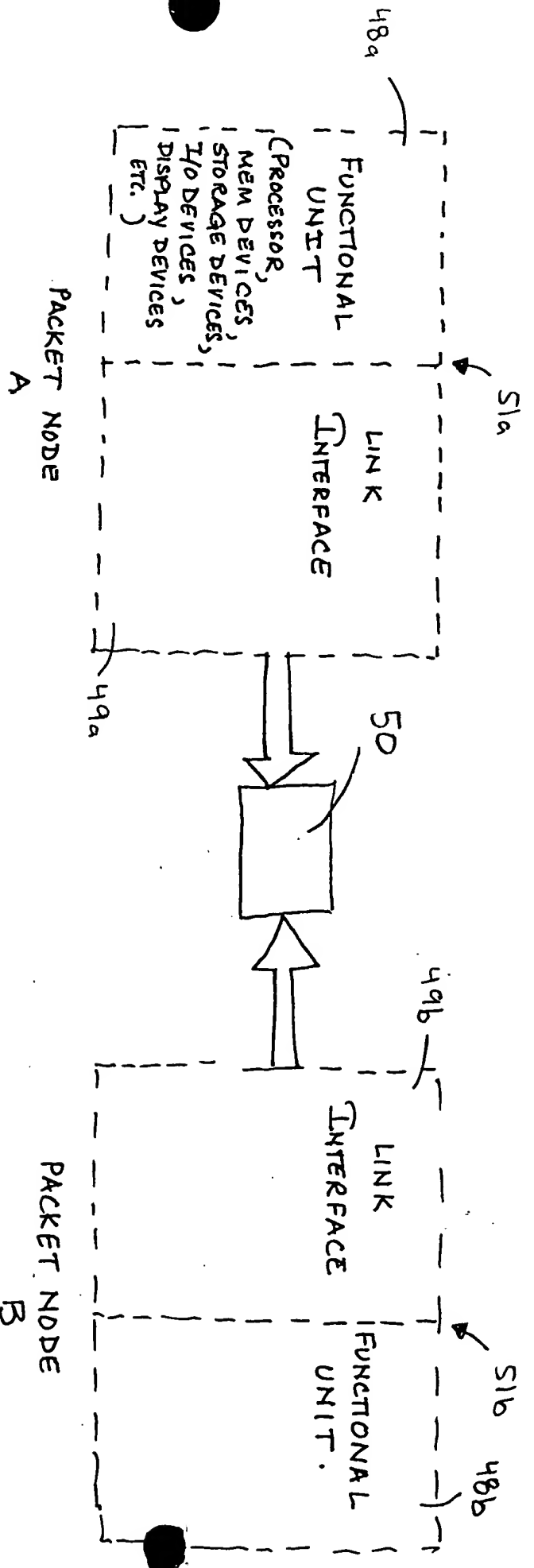
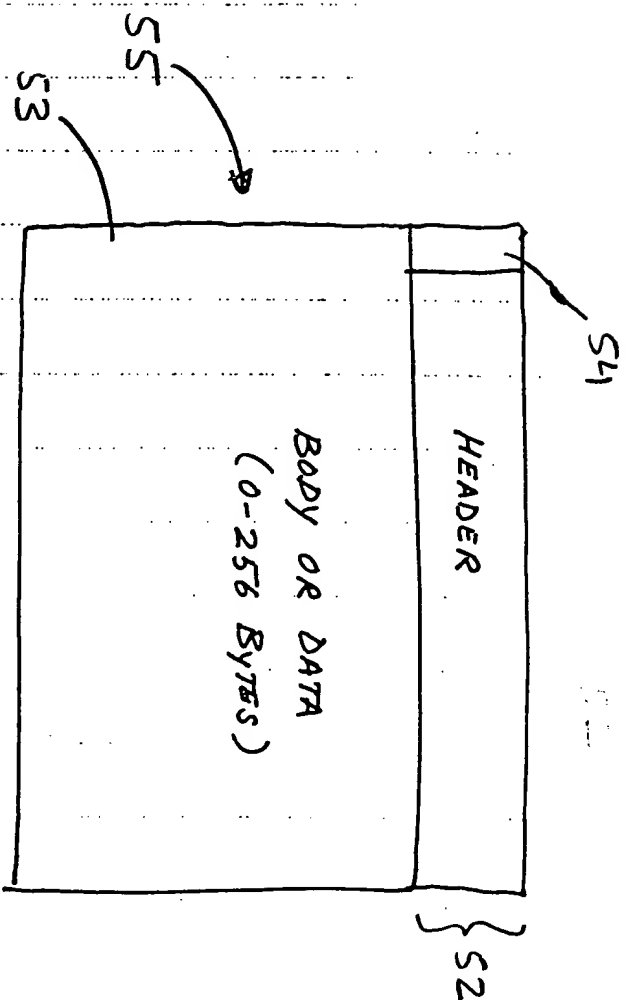


FIG. 3.



WIDTH = 2 BYTES

SIZE = 2 BYTES TO A MAXIMUM OF 256 BYTES.

FIG. 4.

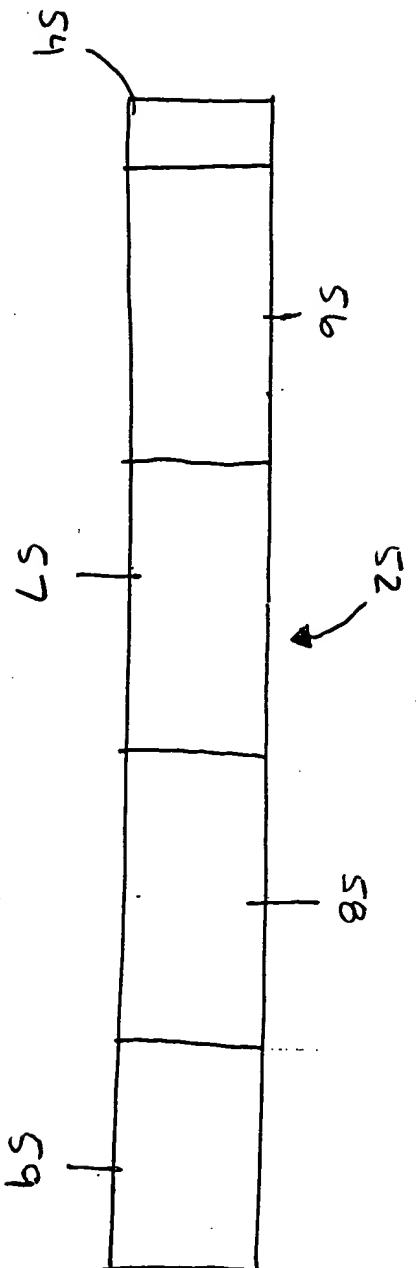


FIG 5.

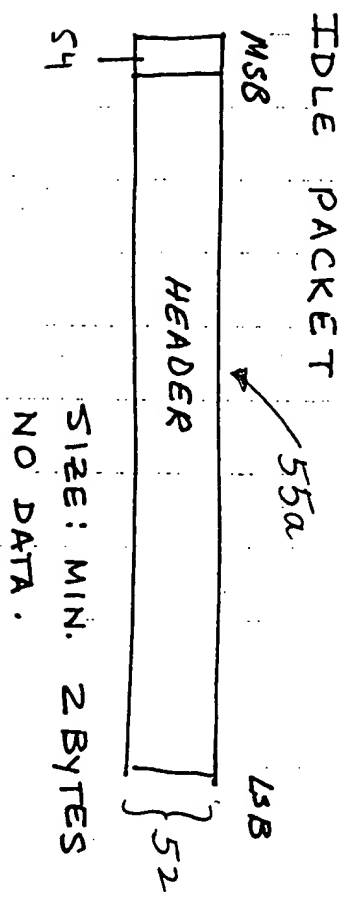
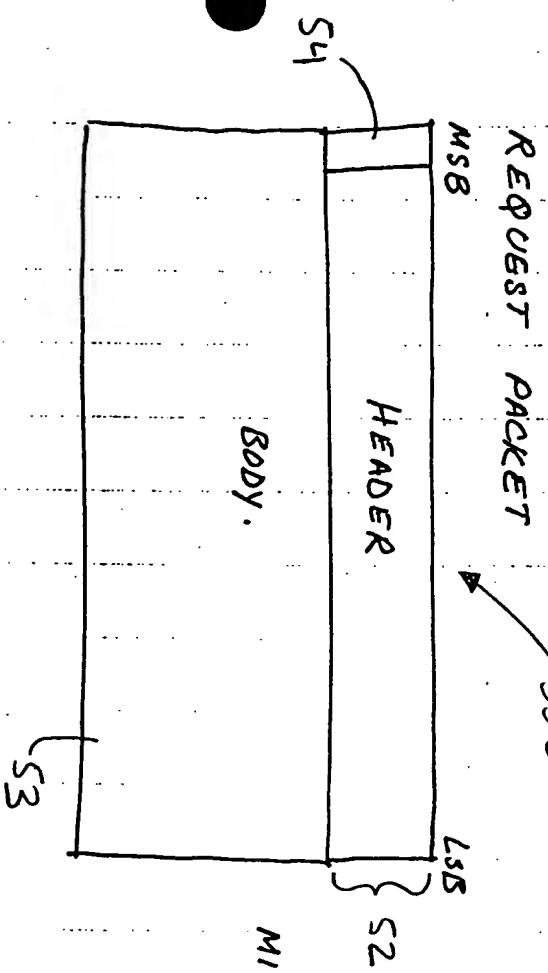


FIG. 6.



MIN SIZE: 4 BYTES MAX SIZE: 258 BYTES.

FIG. 7.

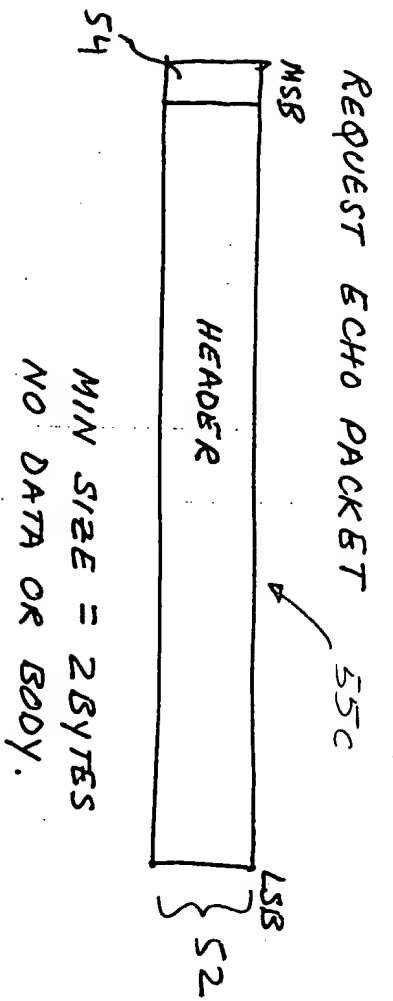


FIG. 8 RESPONSE PACKET

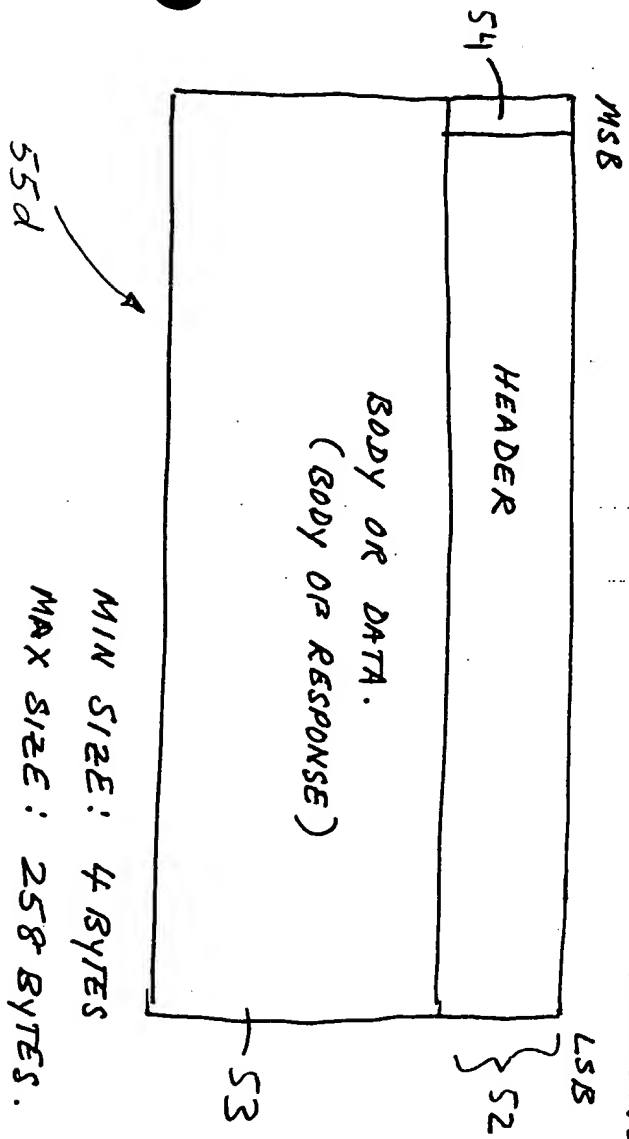


FIG. 9.

FUNCTIONAL DIAGRAM OF LINK INTERFACE

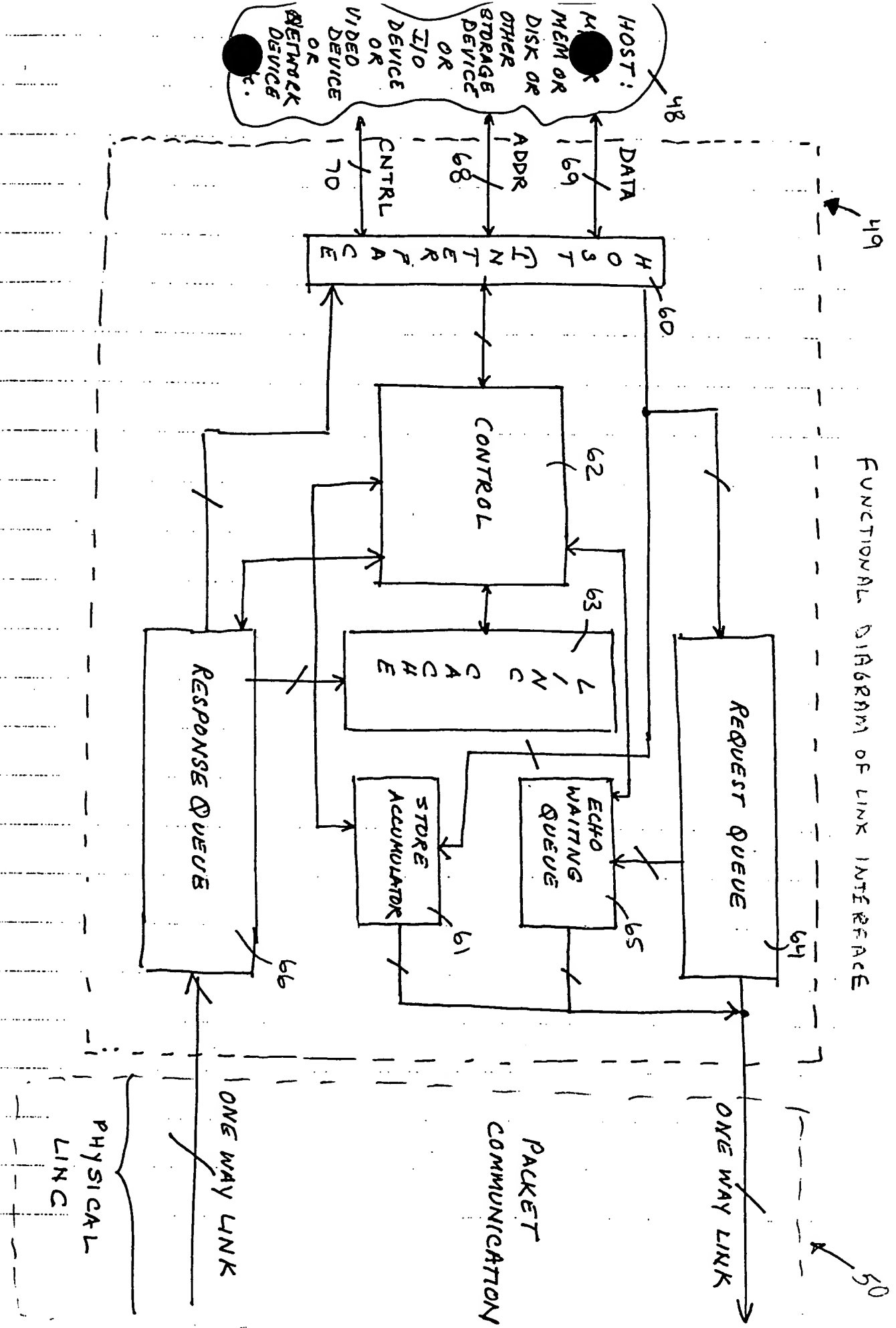
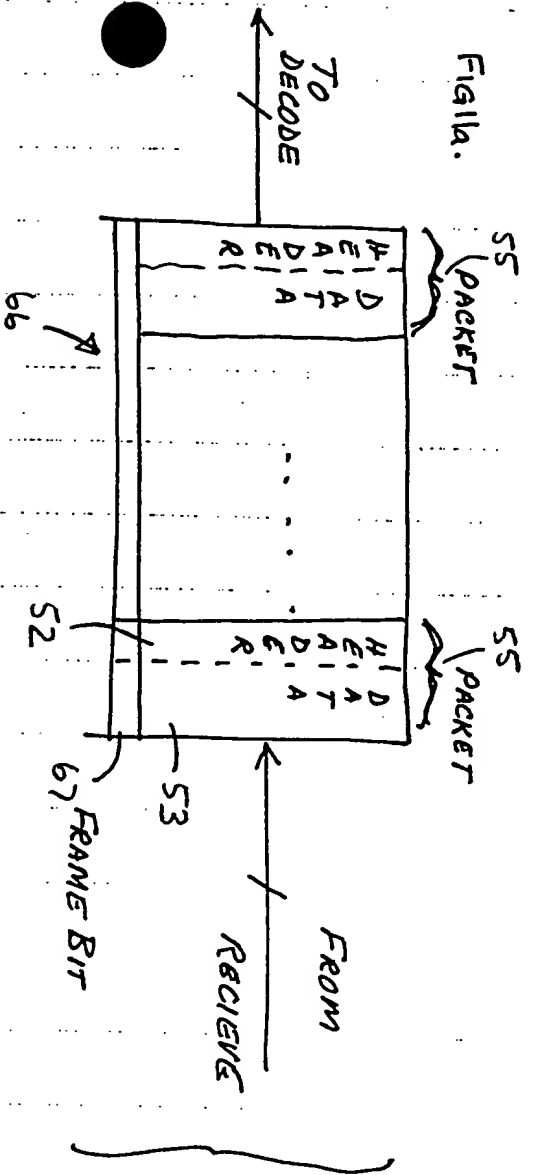


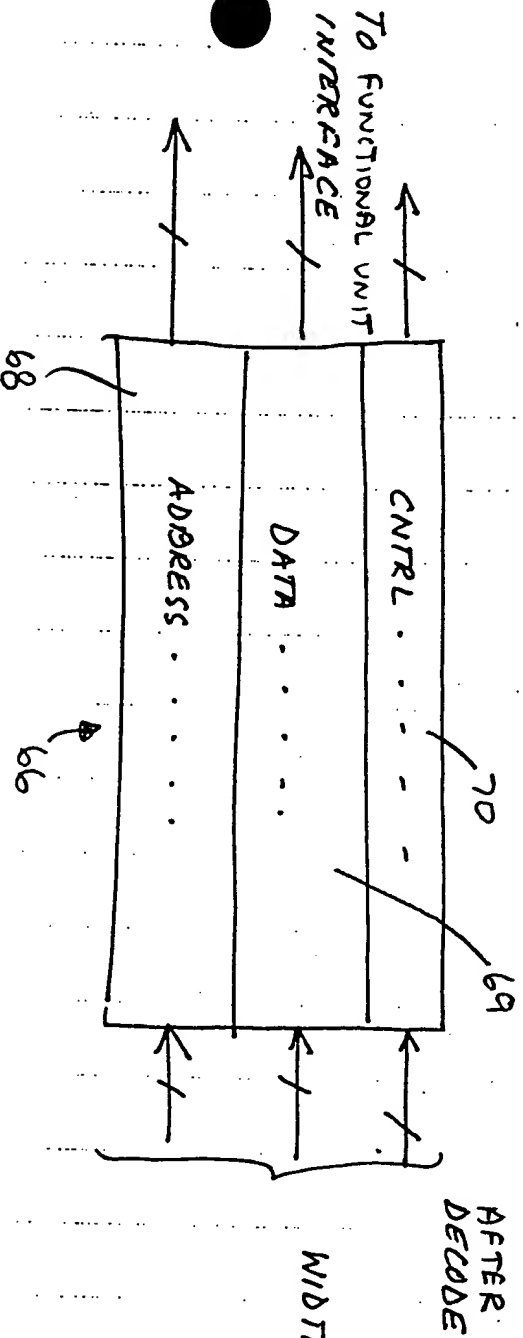
FIG 11.

POSSIBLE RESPONSE QUEUE STRUCTURES.



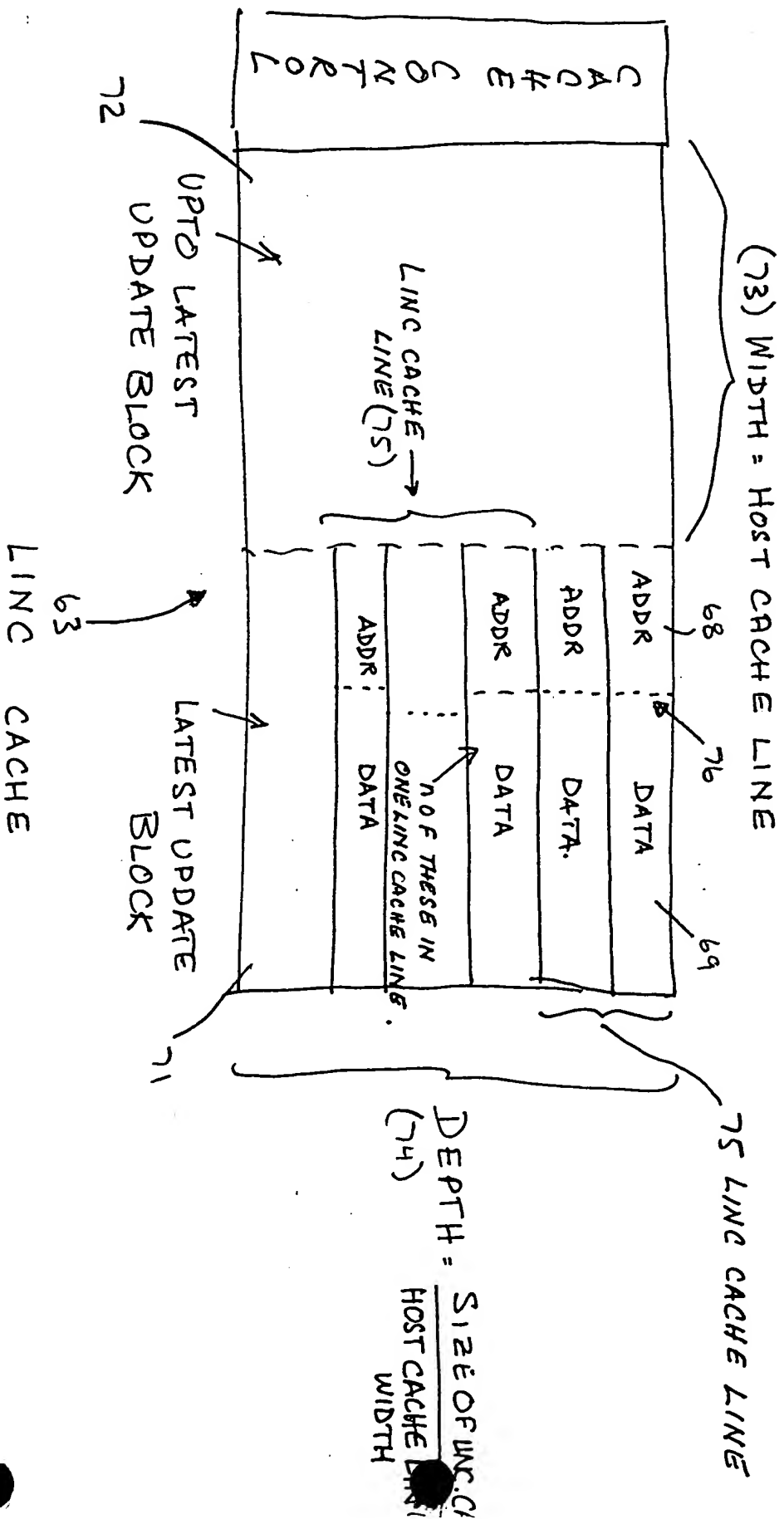
WIDTH = 2 BYTES
+ 1 BIT FOR FRAME

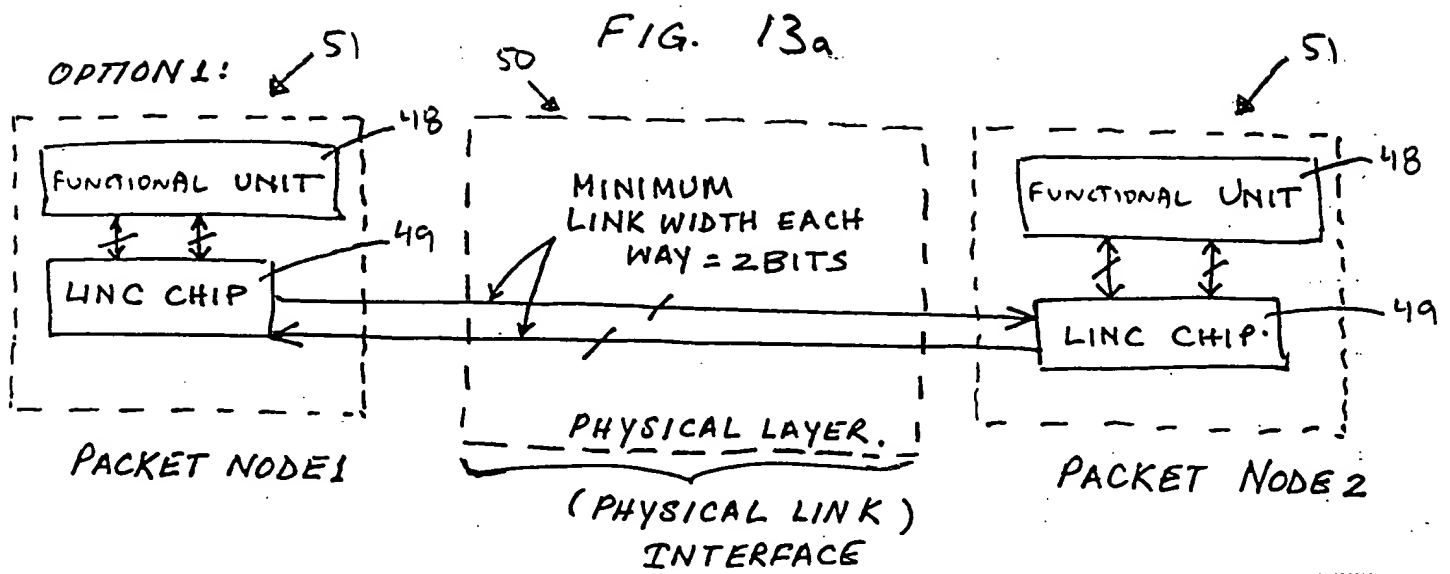
FIG 11b.



WIDTH = NECESSARY WIDTH

FIG. 12.





A SAMPLE TWO NODE LINK WHERE NODE1 FUNCTIONAL UNIT IS THE PROCESSOR AND NODE2 FUNCTIONAL UNIT IS THE MEMORY.

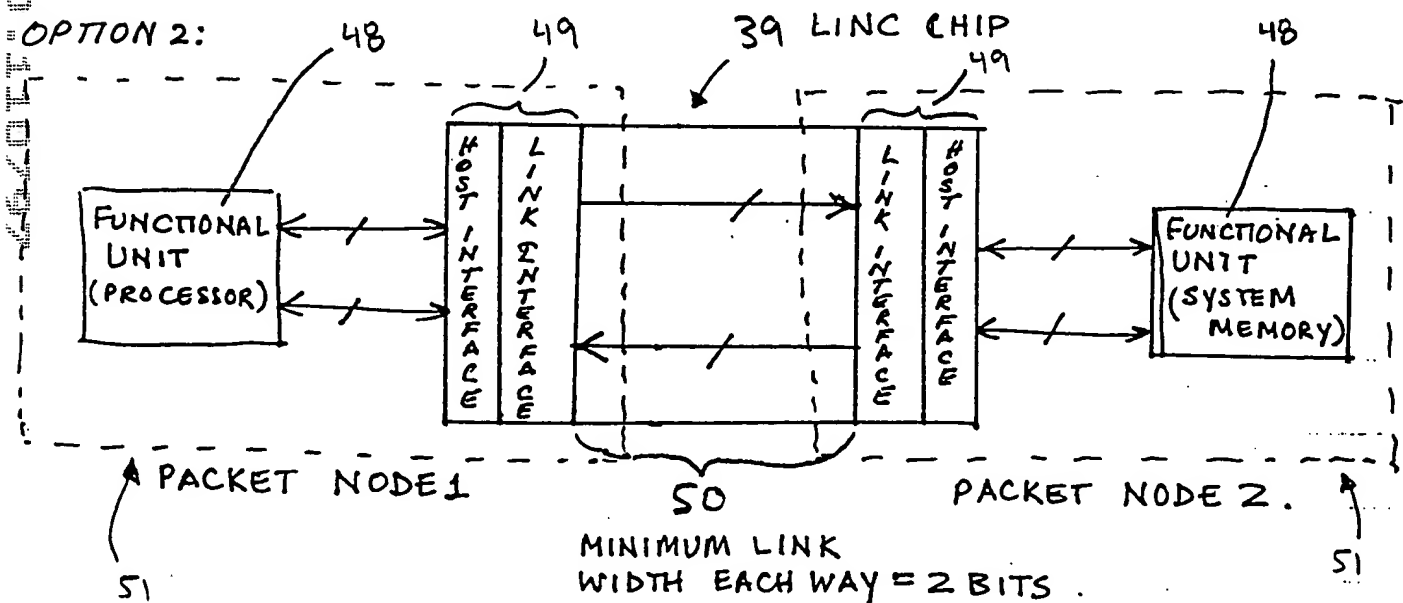


FIG. 13b

FIG. 14.

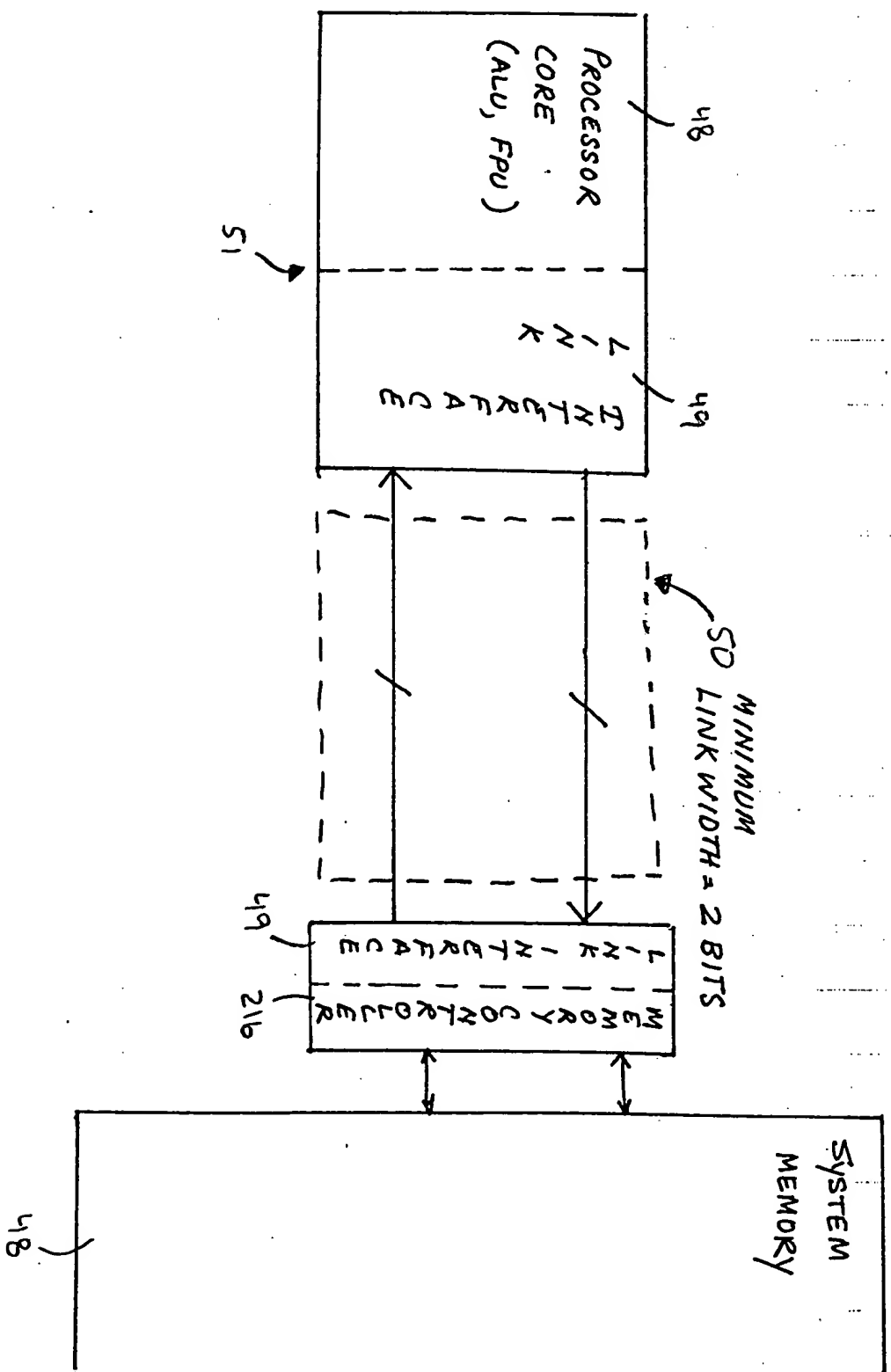


FIG. 14.

FIG. 15

IDLE PACKET:

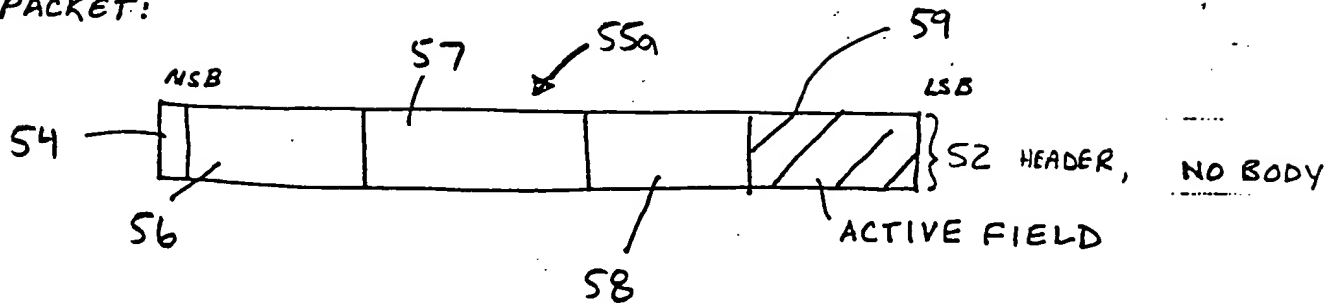


FIG. 16

REQUEST PACKET:

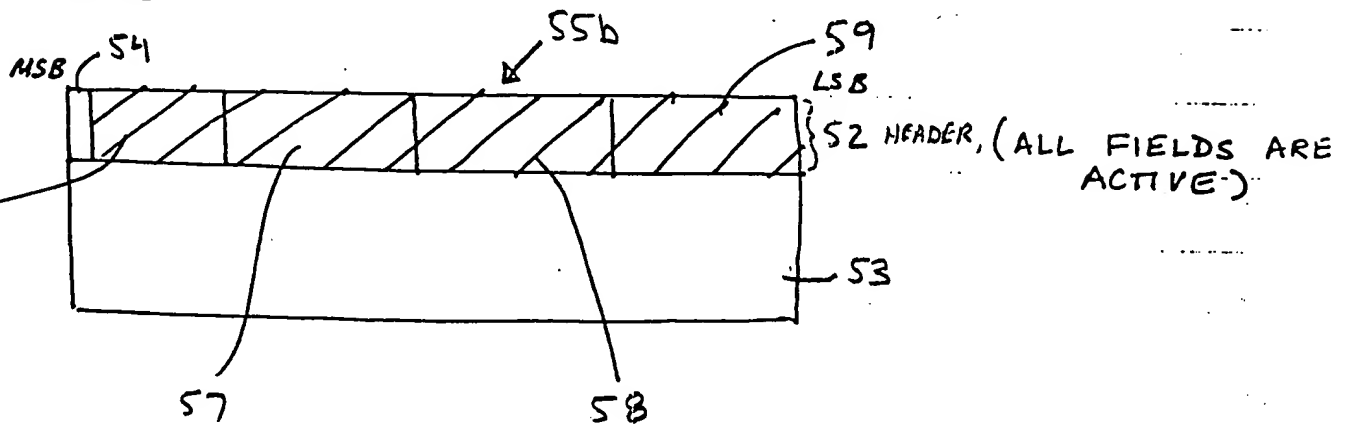


FIG. 17

REQUEST ECHO PACKET:

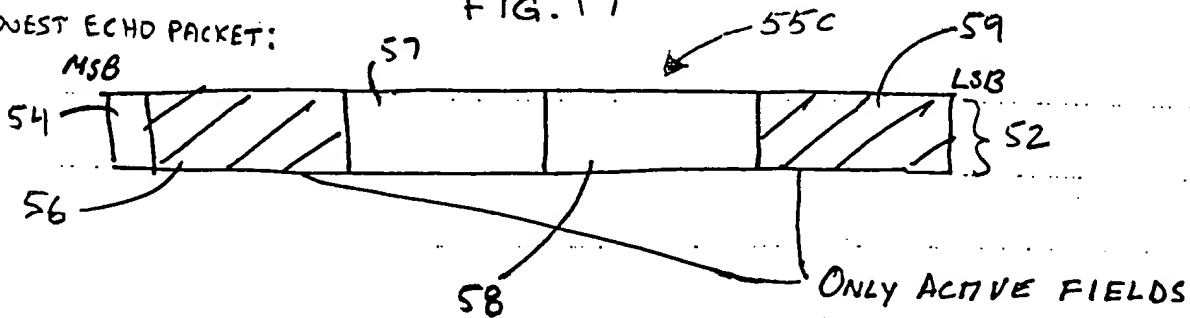


FIG. 18

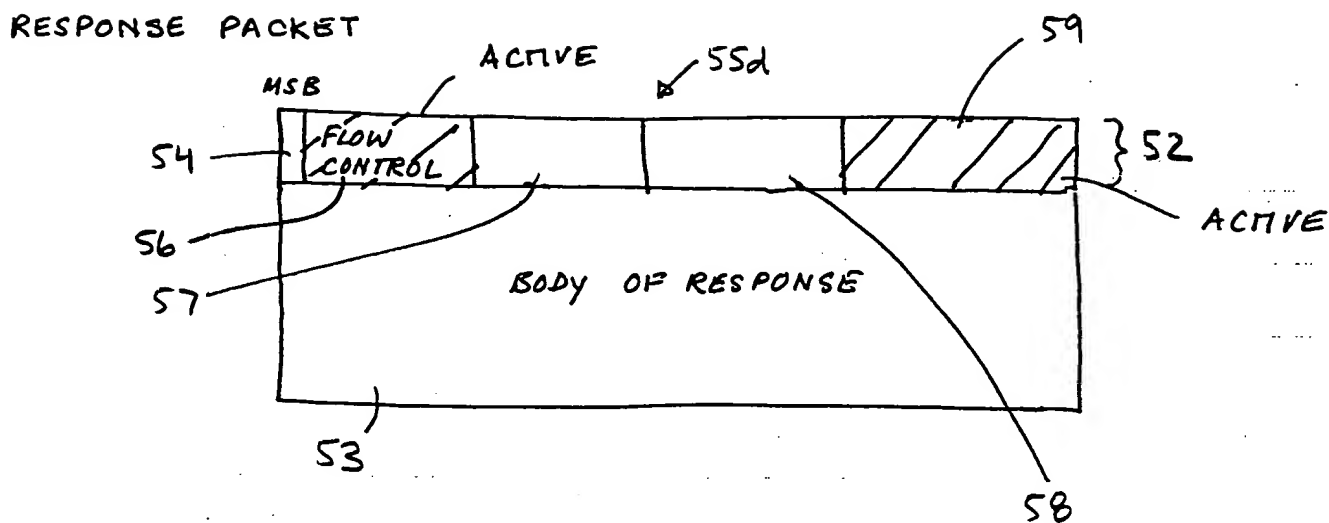
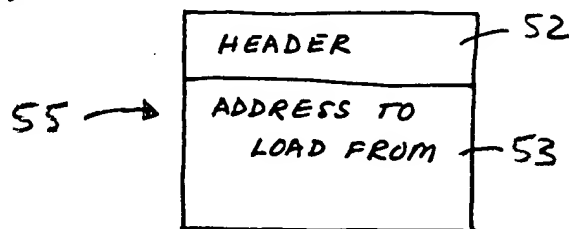
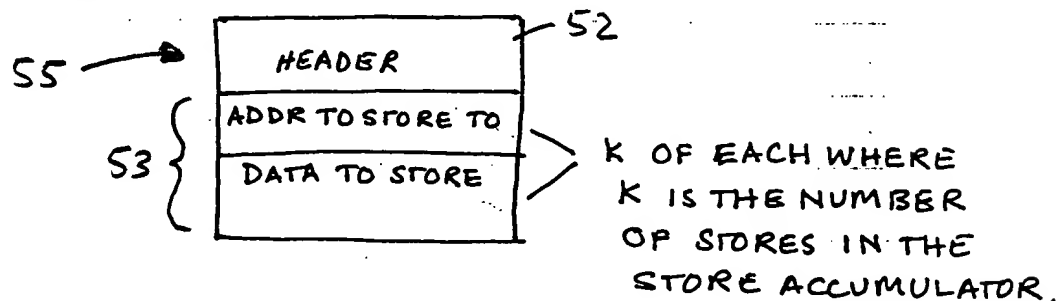


FIG. 19

REQUEST PACKET FOR A LOAD.



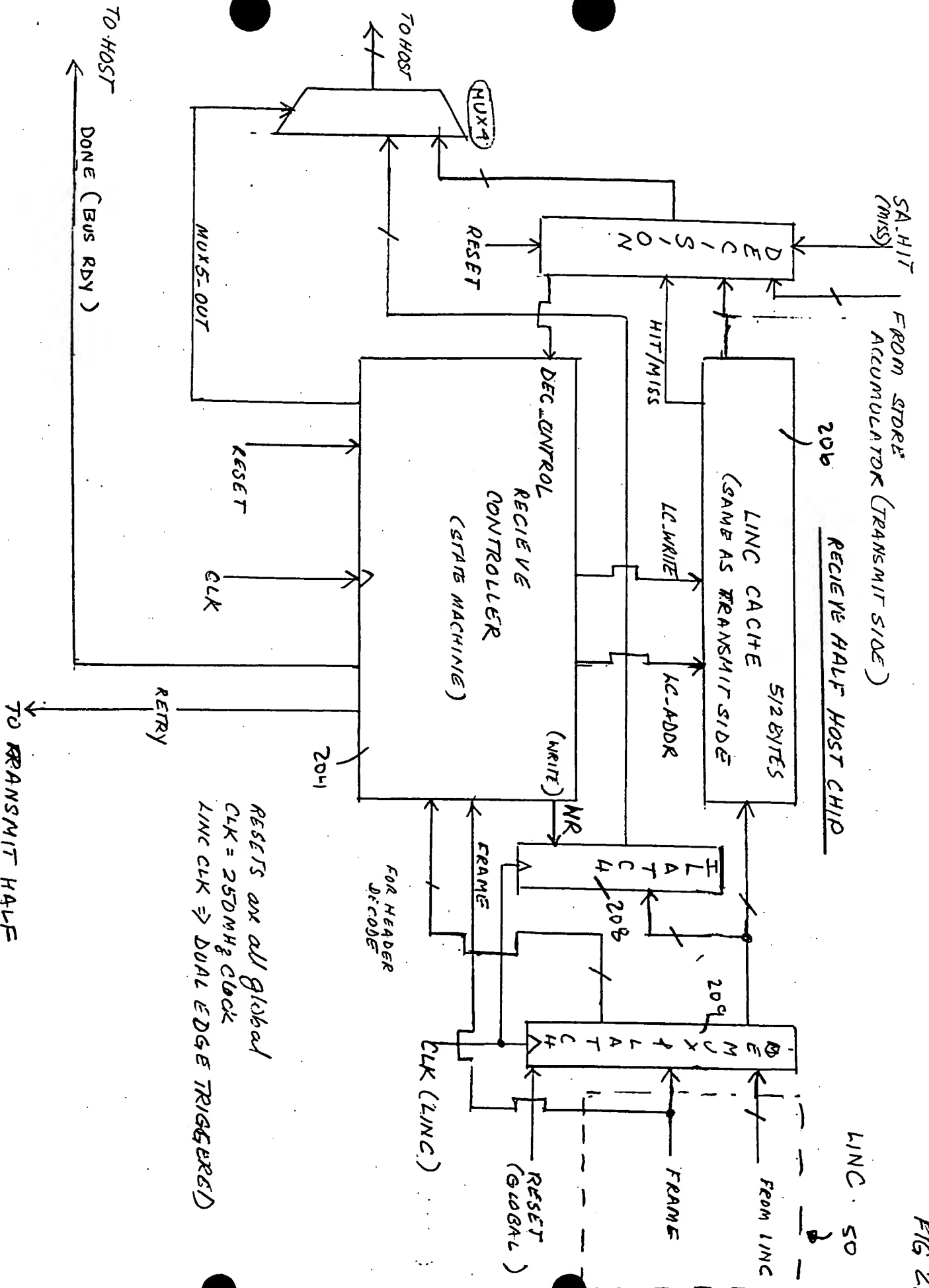
REQUEST PACKET FOR A STORE



08965760-110797

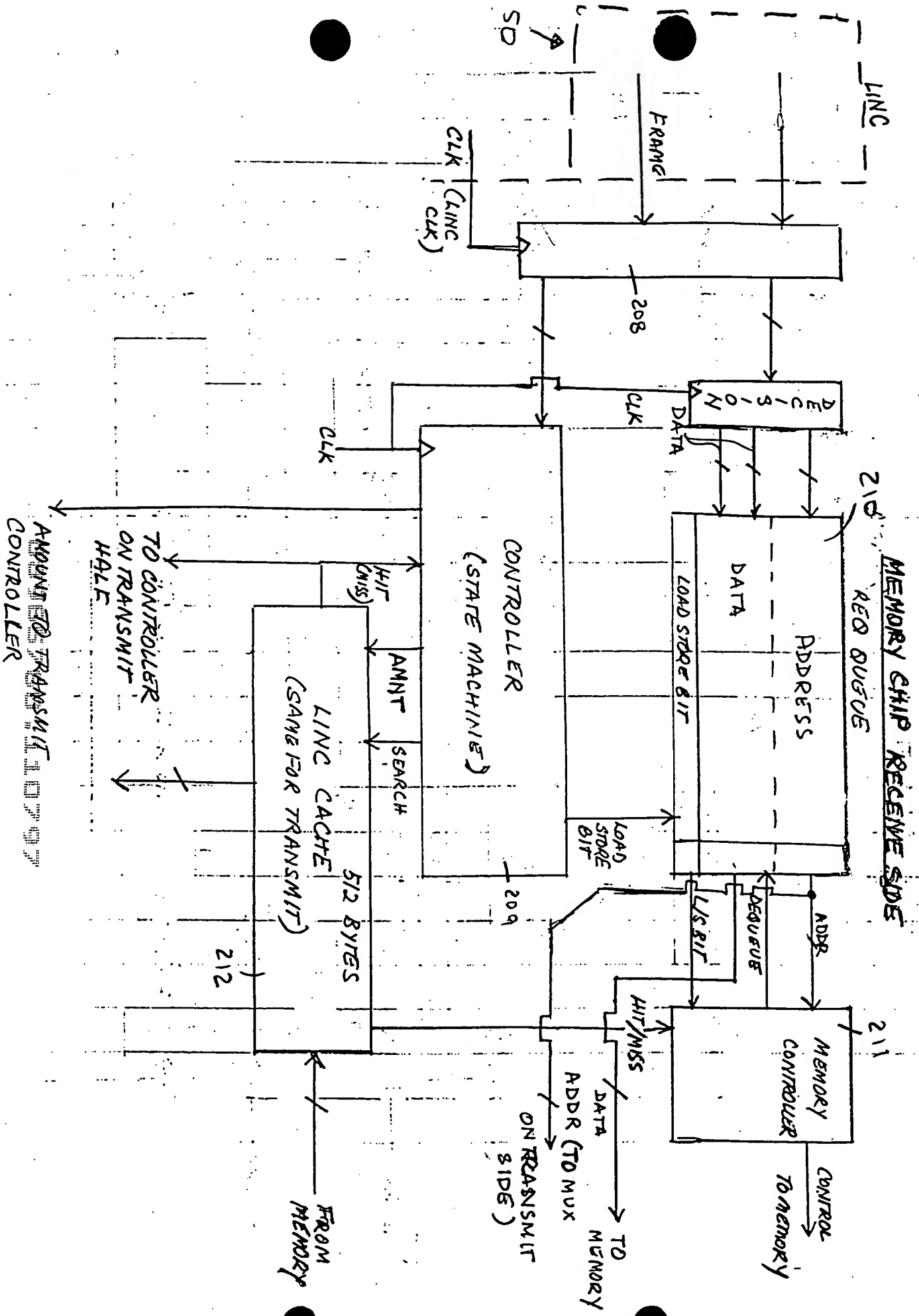
[illegible]

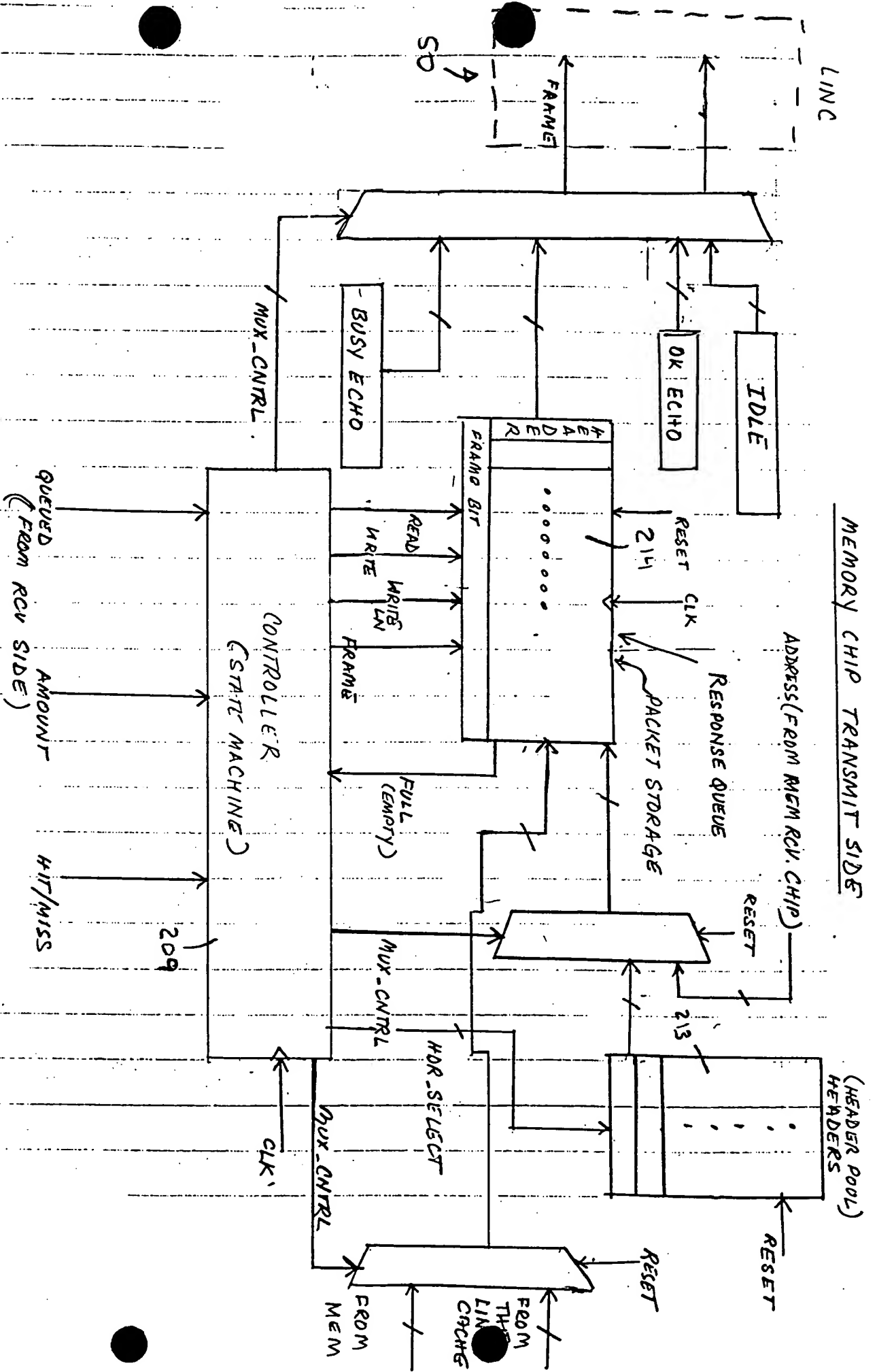
FIG 21



00965760.110797

FIG. 22





MEMORY CHIP TRANSMIT SIDE

FIG. 23

FIG. 24

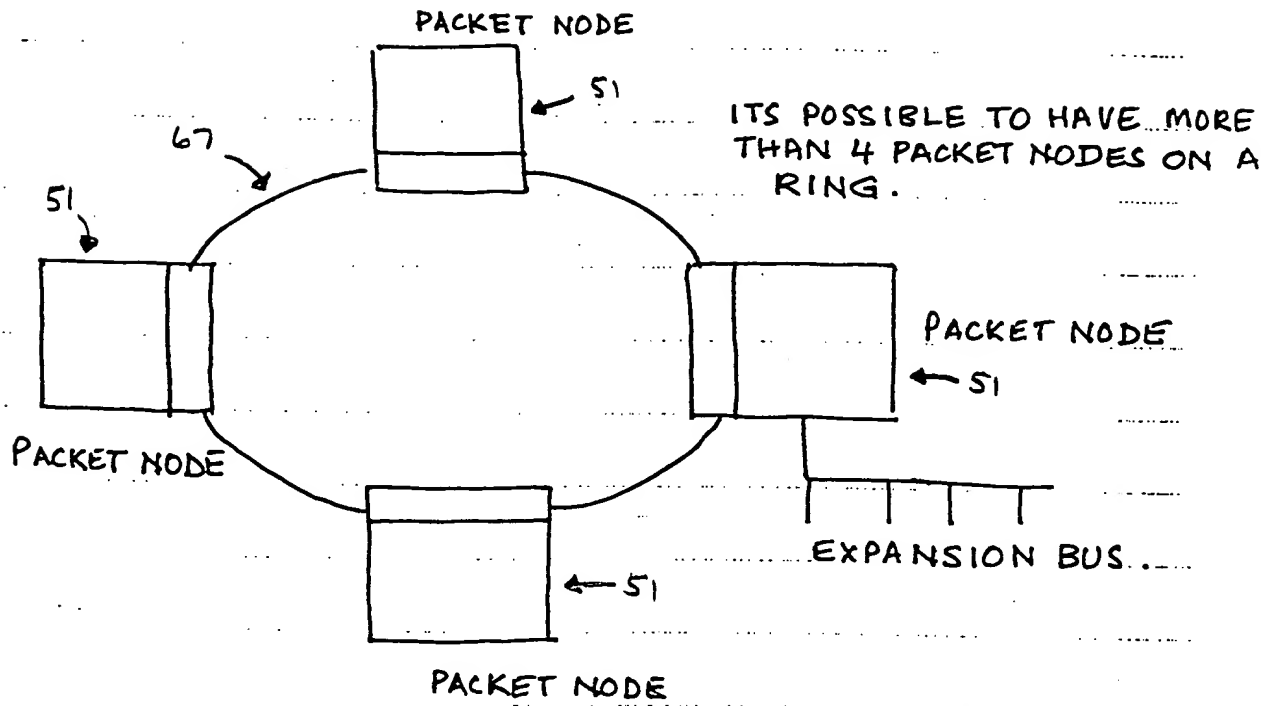
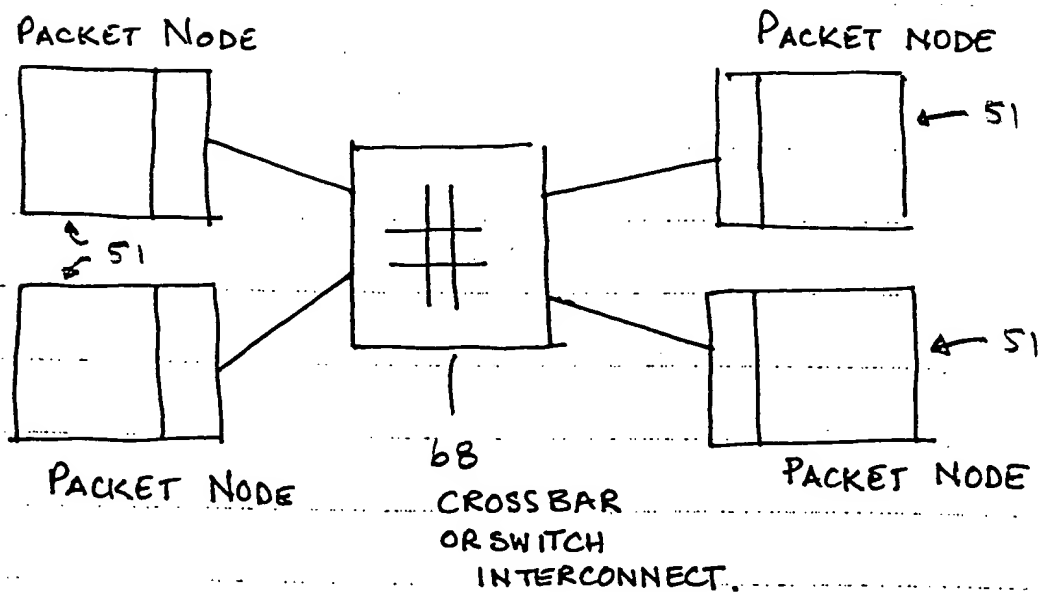
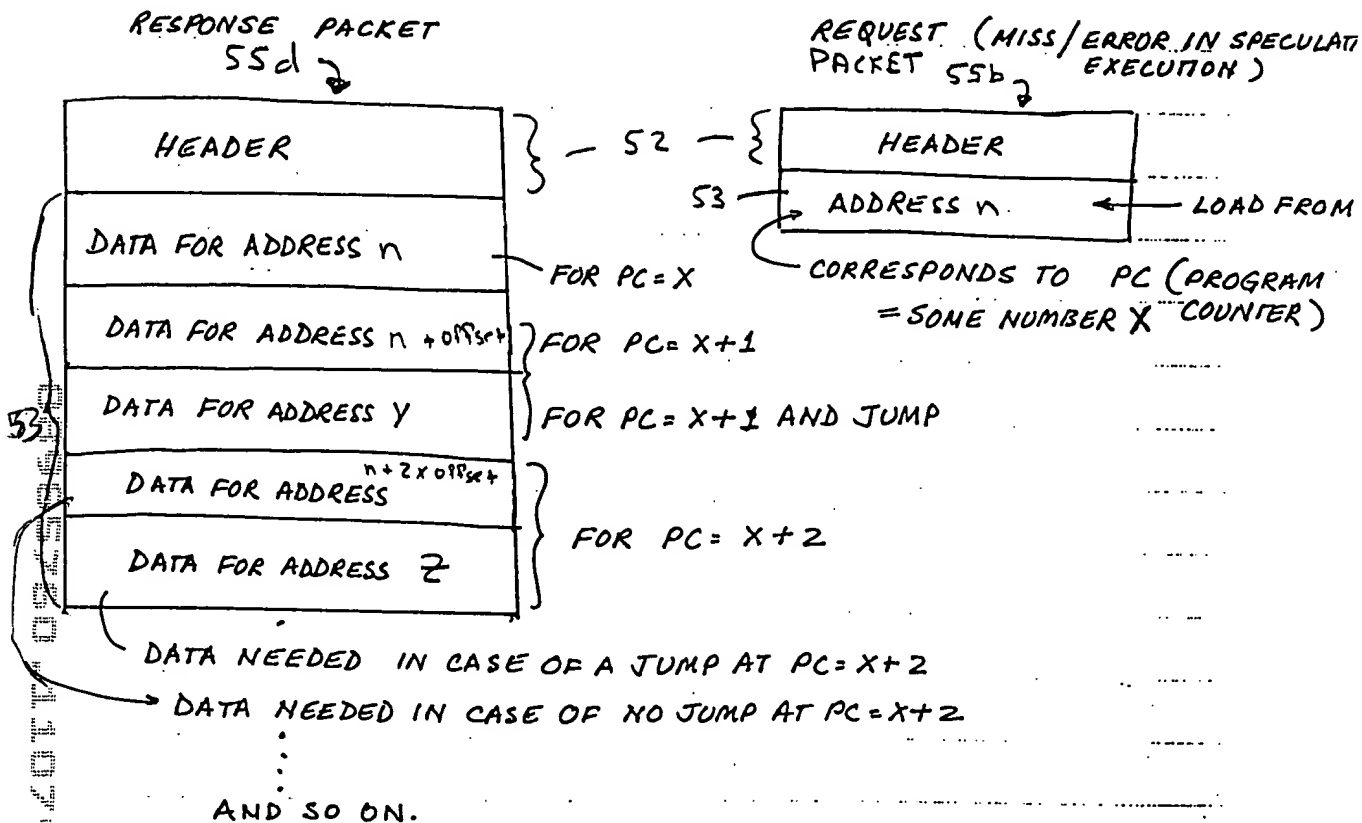


FIG. 25

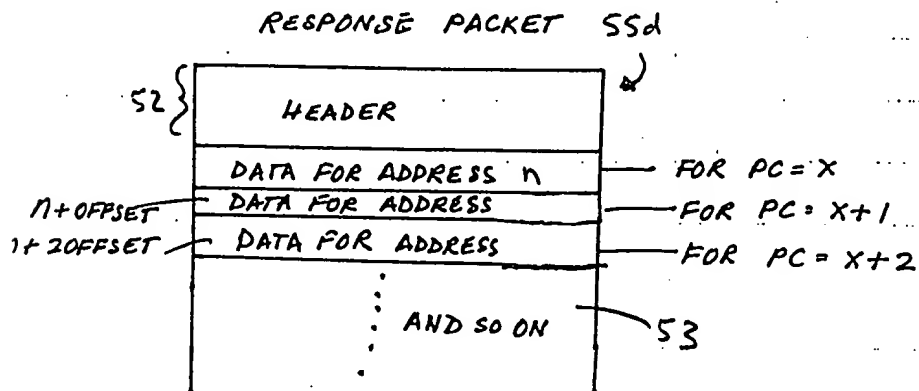


00965760-110797

POSSIBLE RESPONSE PACKETS FOR A REQUEST WHEN ACCESS TO
TLB AND OR BTB IN THE PROCESSOR IS AVAILABLE



FOR PROGRAMS WITH VERY HIGH LOCALITY (GRAPHICS, MULTIMEDIA ETC.)



PROCESSOR NODE TRANSMIT PROTOCOL

FIG. 28.

ALL ACTIONS WITHIN [] HAPPEN IN PARALLEL

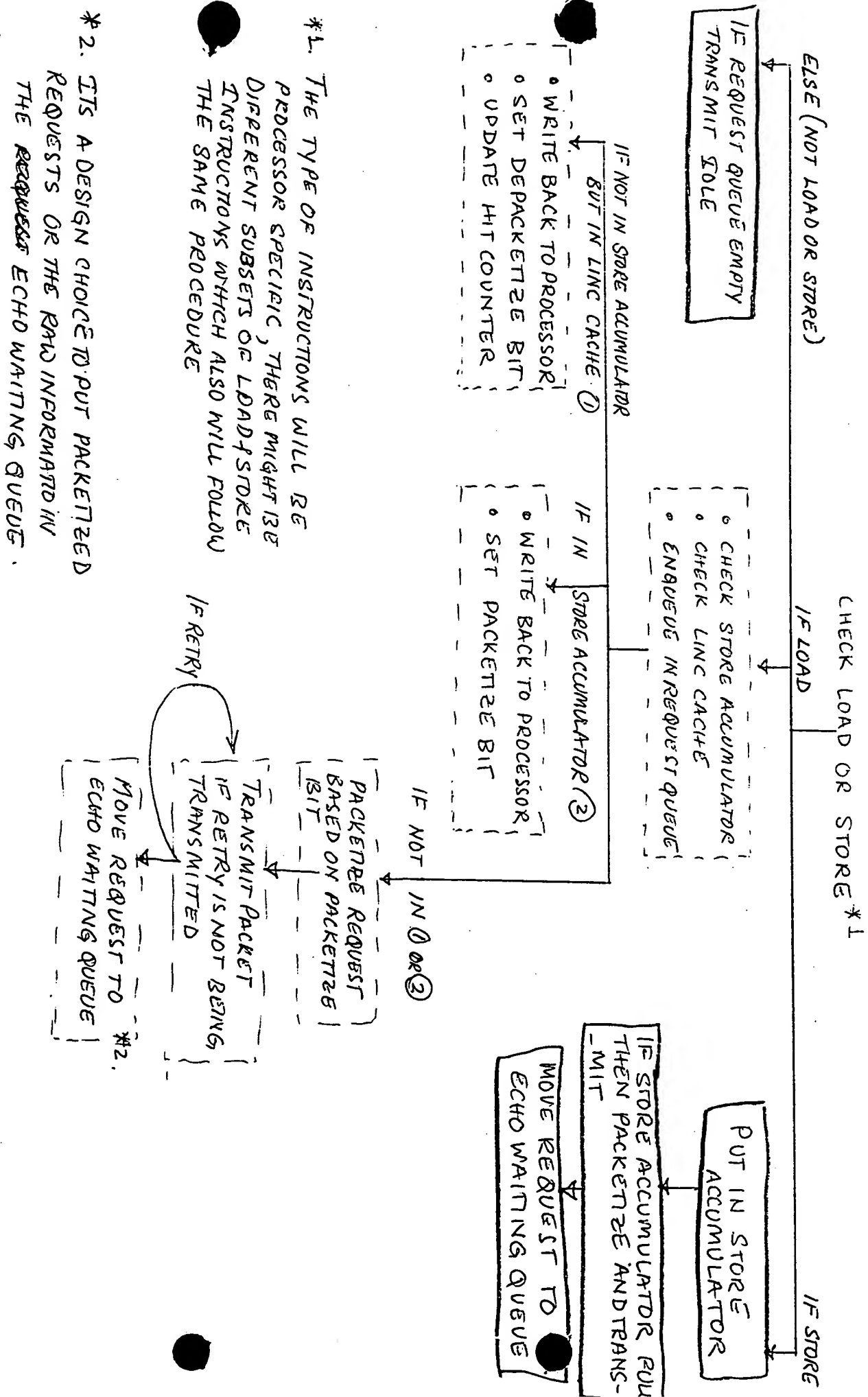
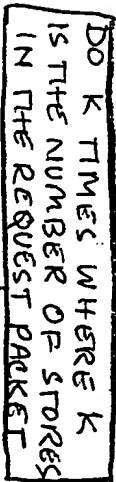
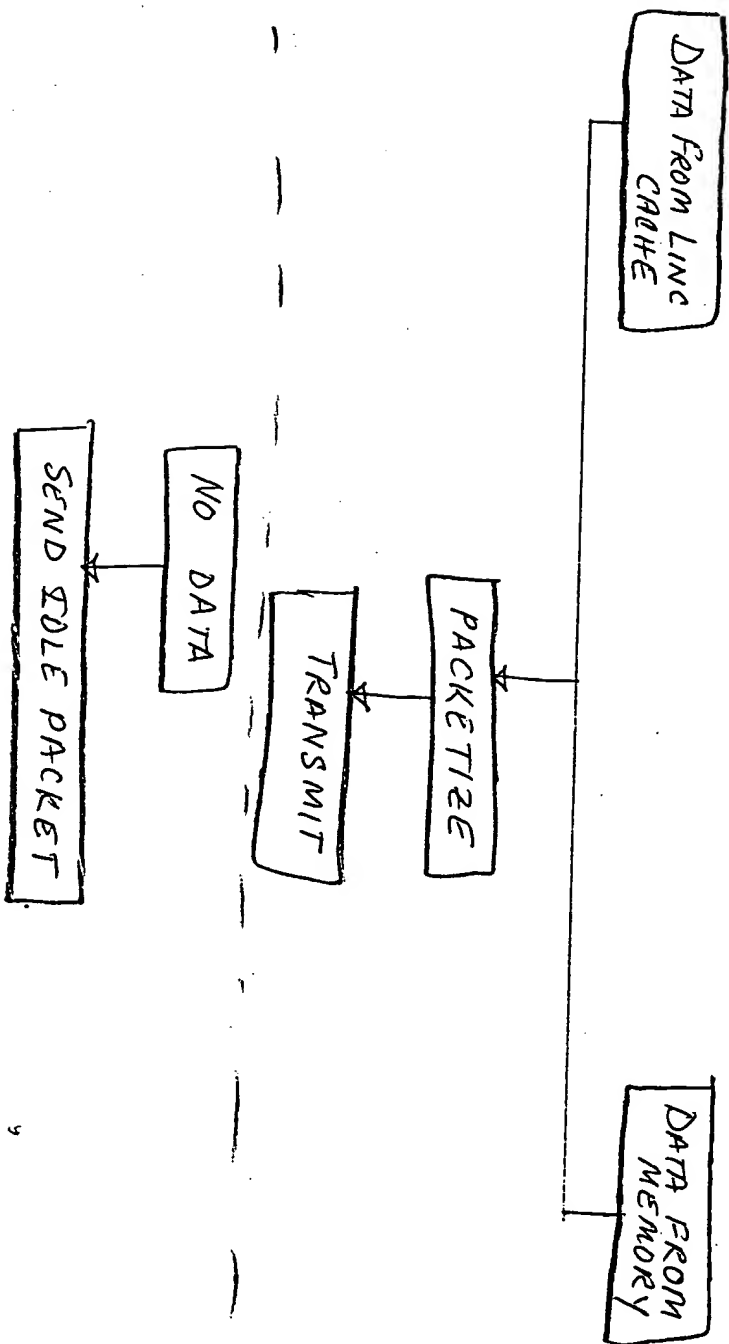


Fig. 29.

[illegible]

MEMORY NODE TRANSMIT PROTOCOL.

FIG. 30



This Page is inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☒ BLACK BORDERS
- ☒ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☒ FADED TEXT OR DRAWING
- ☒ BLURED OR ILLEGIBLE TEXT OR DRAWING
- ☒ SKEWED/SLANTED IMAGES
- ☐ COLORED OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REPERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images
problems checked, please do not report the
problems to the IFW Image Problem Mailbox**